2002280 22792001

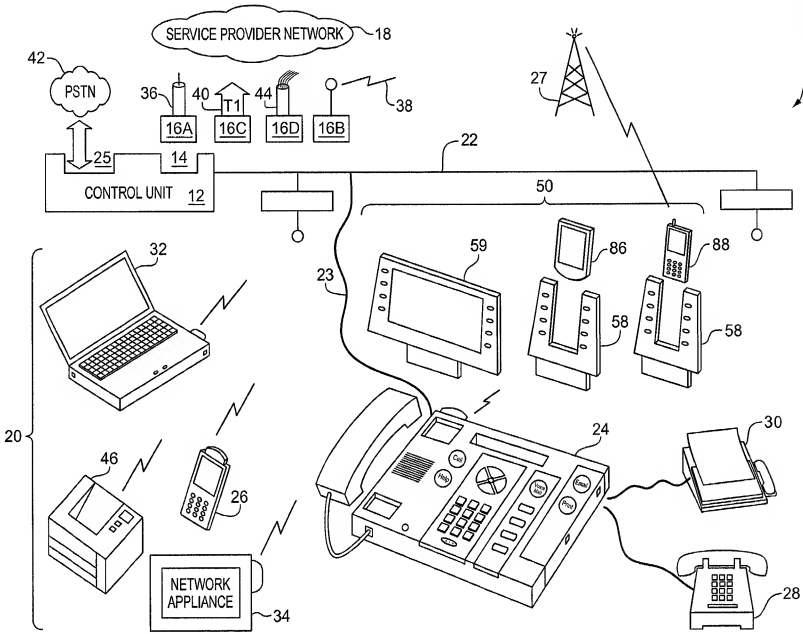
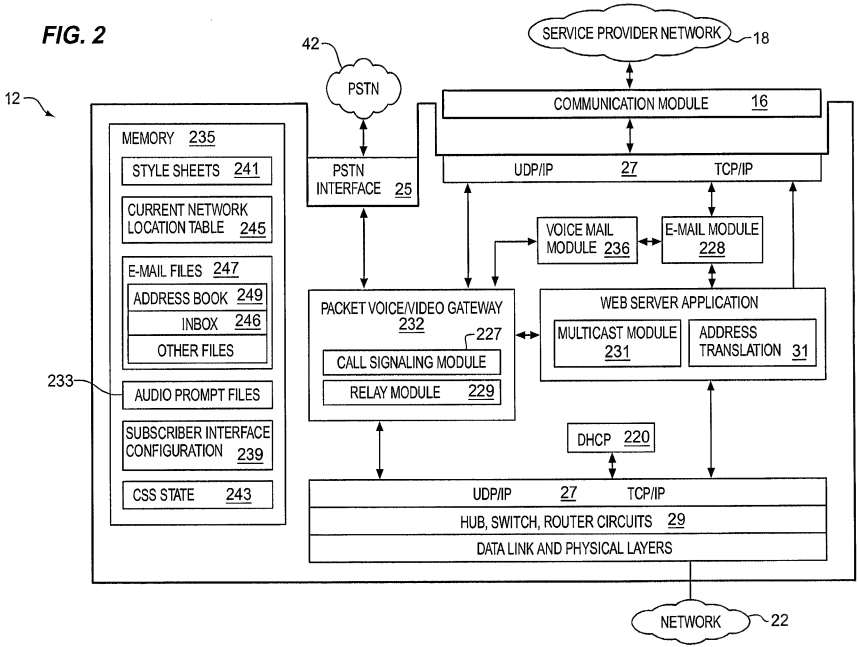


FIG. 1

FIG. 2


SERVICE PROVIDER NETWORK
18
42
PSTN
12
COMMUNICATION MODULE 16
MEMORY 235
STYLE SHEETS 241
CURRENT NETWORK LOCATION TABLE 245
E-MAIL FILES 247
ADDRESS BOOK 249
INBOX 246
OTHER FILES
233
AUDIO PROMPT FILES
SUBSCRIBER INTERFACE CONFIGURATION 239
CSS STATE 243
PSTN INTERFACE 25
UDP/IP 27 TCP/IP
VOICE MAIL MODULE 236
E-MAIL MODULE 228
PACKET VOICE/VIDEO GATEWAY 232
227
CALL SIGNALING MODULE
RELAY MODULE 229
WEB SERVER APPLICATION
MULTICAST MODULE 231
ADDRESS TRANSLATION 31
DHCP 220
UDP/IP 27 TCP/IP
HUB, SWITCH, ROUTER CIRCUITS 29
DATA LINK AND PHYSICAL LAYERS
NETWORK
22

20020: 6216208T

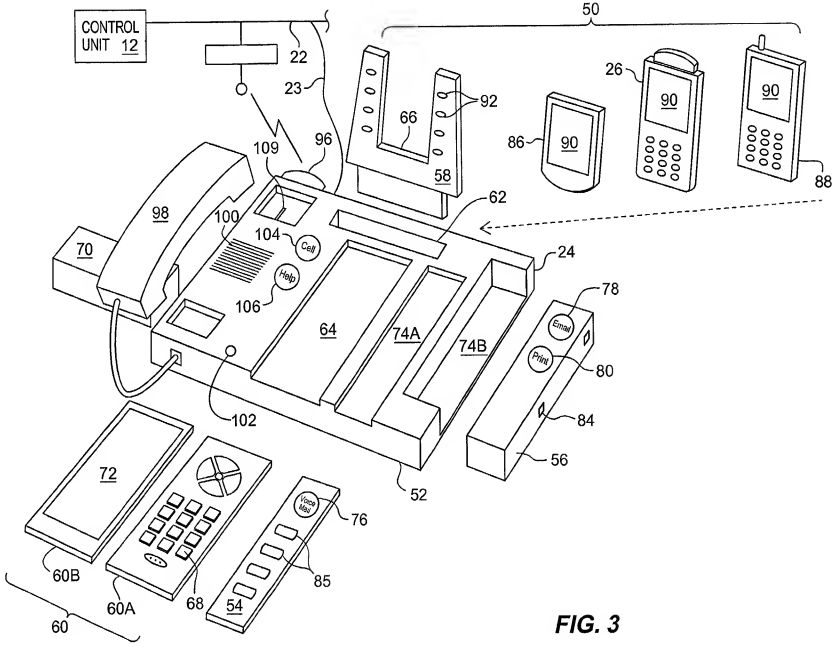


FIG. 3

2002208 6216208

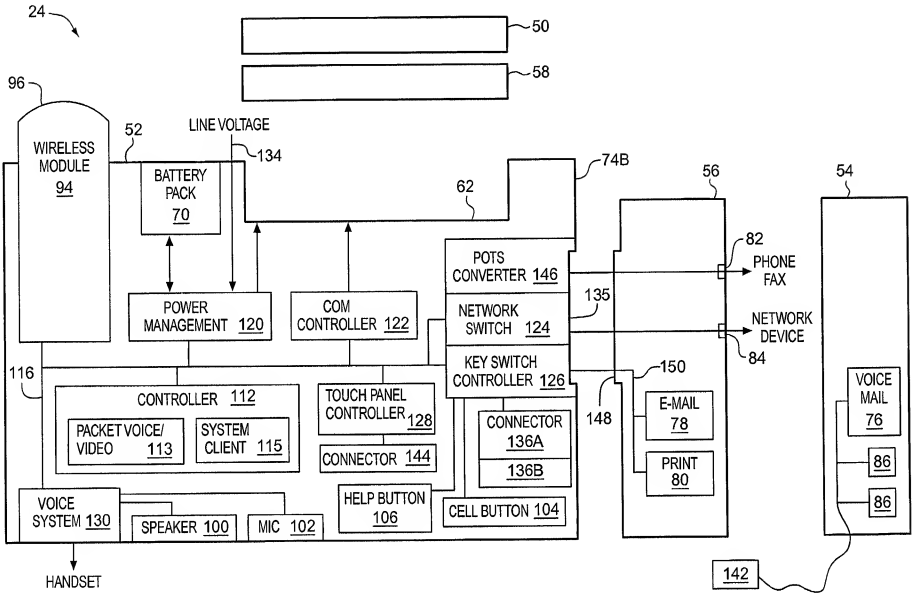


FIG. 4

EXHIBIT 1025

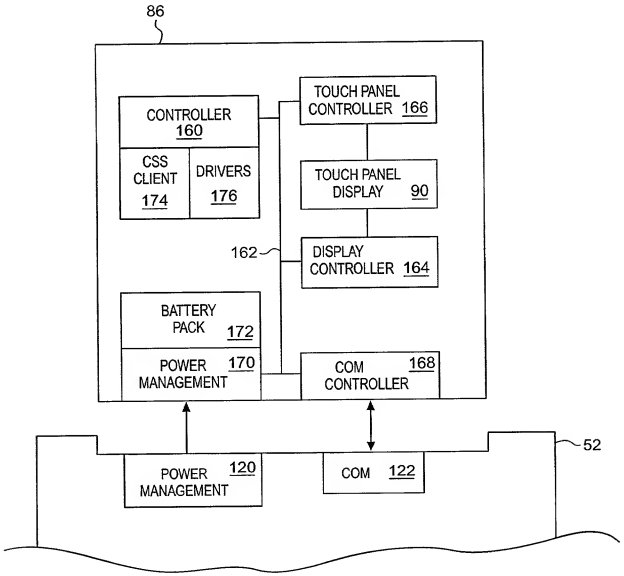


FIG. 5

Attorney Docket No. 106842-1001

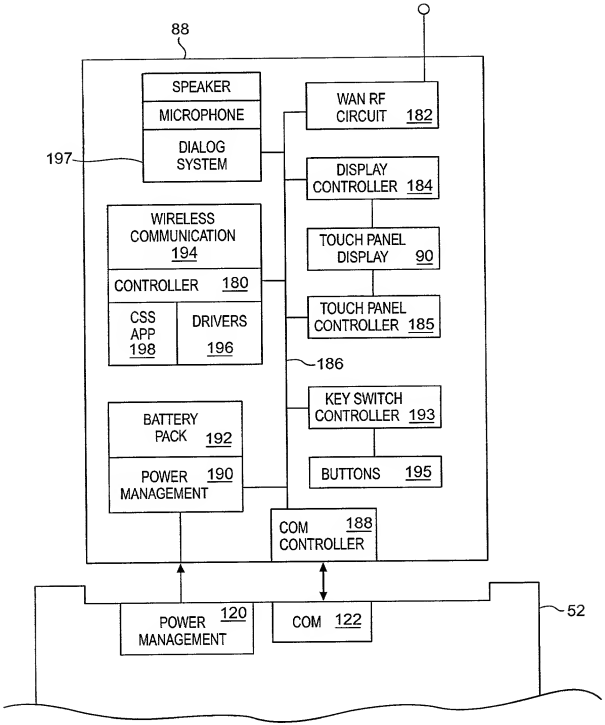


FIG. 6

Apple 1012

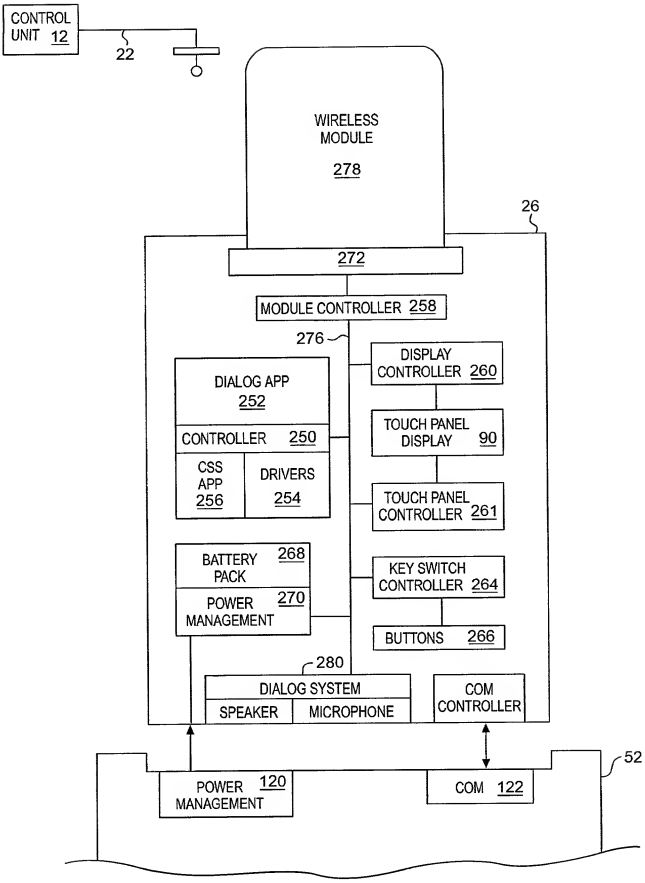


FIG. 7

245

SUBSCRIBER IDENTIFIER
237

CURRENT NETWORK LOCATION TABLE

251

SUBSCRIBER ID	SUBSCRIBER NAME	SUBSCRIBER DEVICE ID	CURRENT NETWORK ADDRESS
1234	BOB	001	192.168.abc.xyz
1235	CHRIS	002	192.168.def.uvw
1236	MARVIN	003	Open
•	•	•	•
•	•	•	•
•	•	•	•

FIG. 8A

249

ADDRESS BOOK

GROUP NAME	SUBSCRIBER NAME	CONTACT INFORMATION
ALL CAMPUS	ANNETTE, BILL, CINDY, DAN, ELAIN ...	XXXXX
BUILDING A	ANNETTE, BILL, HOMER, IRENE	XXXXX
•	•	
•	•	
•	•	
ANNETTE	ANNETTE	EMAIL, TELEPHONE, ETC.

FIG. 8B

20020080279

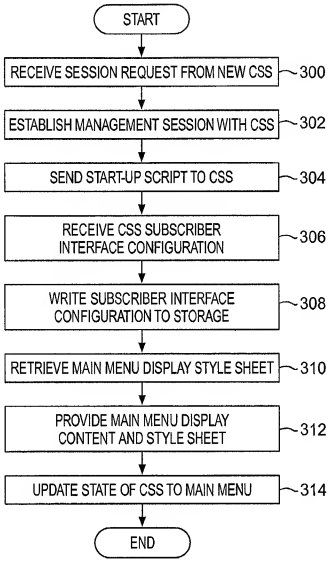


FIG. 9A

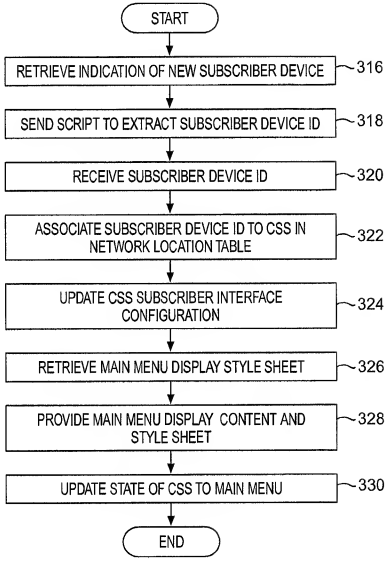


FIG. 9B

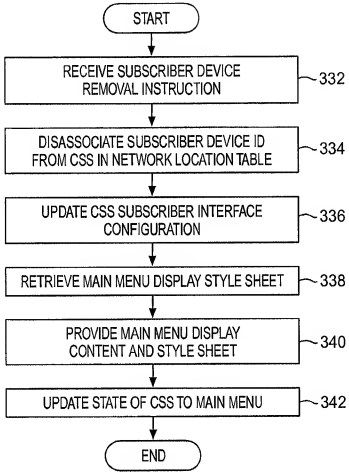

START
RECEIVE SUBSCRIBER DEVICE REMOVAL INSTRUCTION
332
DISASSOCIATE SUBSCRIBER DEVICE ID FROM CSS IN NETWORK LOCATION TABLE
334
UPDATE CSS SUBSCRIBER INTERFACE CONFIGURATION
336
RETRIEVE MAIN MENU DISPLAY STYLE SHEET
338
PROVIDE MAIN MENU DISPLAY CONTENT AND STYLE SHEET
340
UPDATE STATE OF CSS TO MAIN MENU
342
END

FIG. 9C

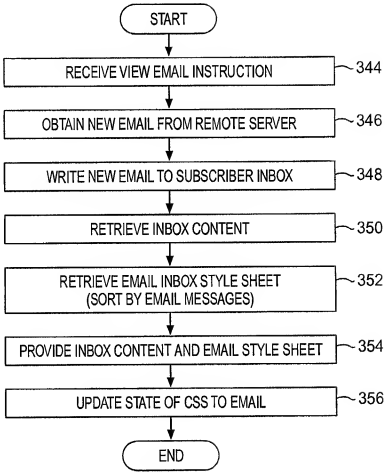

START
RECEIVE VIEW EMAIL INSTRUCTION
344
OBTAIN NEW EMAIL FROM REMOTE SERVER
346
WRITE NEW EMAIL TO SUBSCRIBER INBOX
348
RETRIEVE INBOX CONTENT
350
RETRIEVE EMAIL INBOX STYLE SHEET (SORT BY EMAIL MESSAGES)
352
PROVIDE INBOX CONTENT AND EMAIL STYLE SHEET
354
UPDATE STATE OF CSS TO EMAIL
356
END

FIG. 9D

20020207.0276.2007

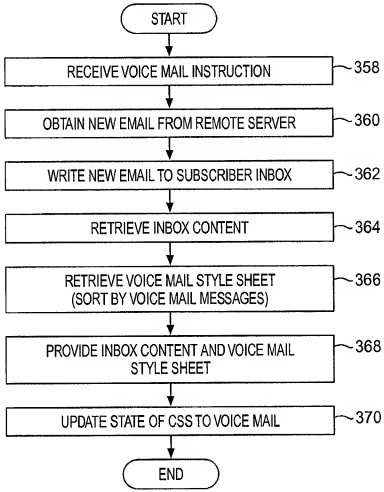


FIG. 9E

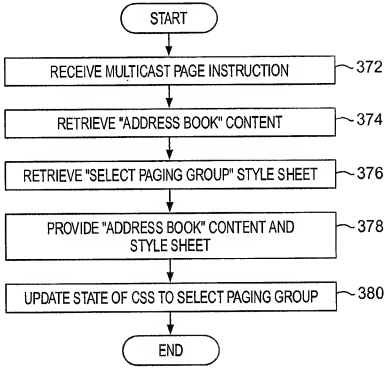
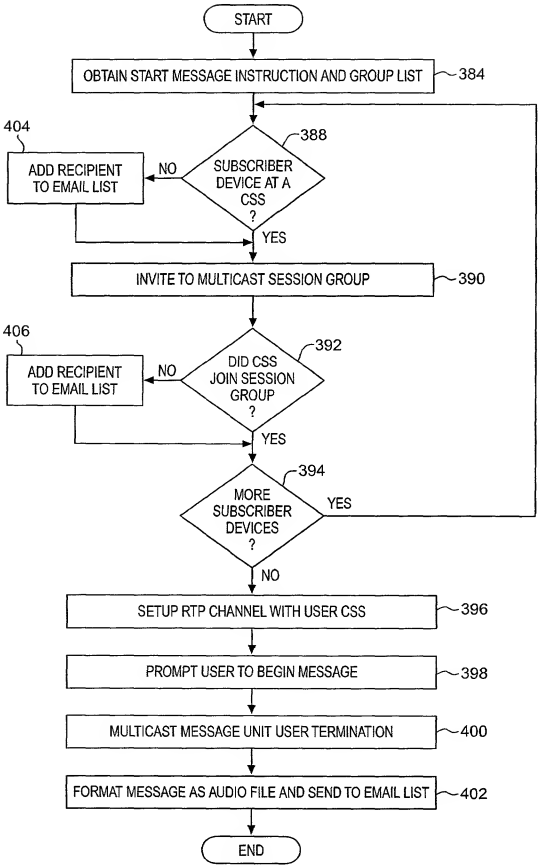


FIG. 9F

FIG. 9G


START
OBTAIN START MESSAGE INSTRUCTION AND GROUP LIST
384
404
388
ADD RECIPIENT TO EMAIL LIST
NO
SUBSCRIBER DEVICE AT A CSS ?
YES
INVITE TO MULTICAST SESSION GROUP
390
406
392
ADD RECIPIENT TO EMAIL LIST
NO
DID CSS JOIN SESSION GROUP ?
YES
394
MORE SUBSCRIBER DEVICES ?
YES
NO
SETUP RTP CHANNEL WITH USER CSS
396
PROMPT USER TO BEGIN MESSAGE
398
MULTICAST MESSAGE UNIT USER TERMINATION
400
FORMAT MESSAGE AS AUDIO FILE AND SEND TO EMAIL LIST
402
END

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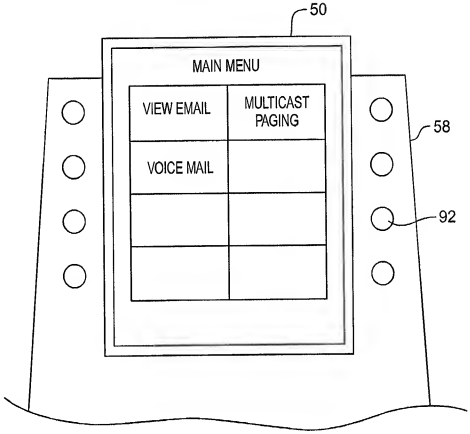


FIG. 10A

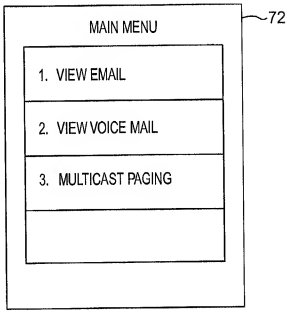


FIG. 10B

20020020 9276201

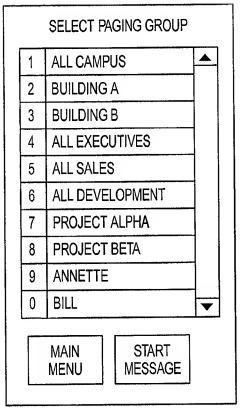


FIG. 10C

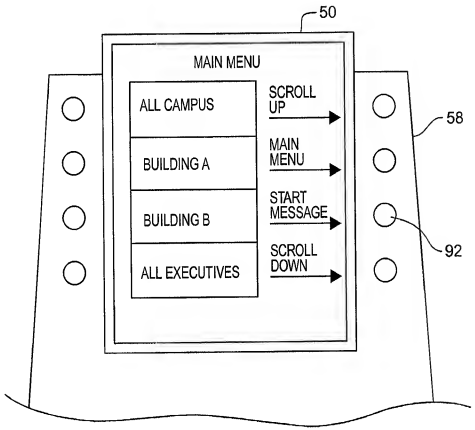
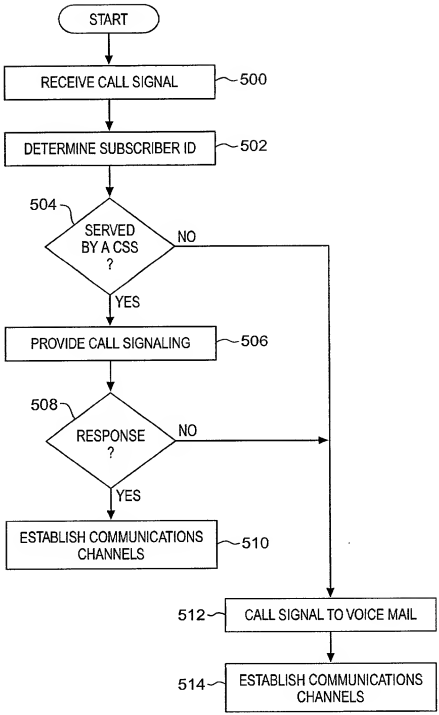


FIG. 10D

FIG. 11


START
RECEIVE CALL SIGNAL
500
DETERMINE SUBSCRIBER ID
502
504
SERVED BY A CSS ?
NO
YES
PROVIDE CALL SIGNALING
506
508
RESPONSE ?
NO
YES
ESTABLISH COMMUNICATIONS CHANNELS
510
512
CALL SIGNAL TO VOICE MAIL
514
ESTABLISH COMMUNICATIONS CHANNELS